ELSEVIER

Wear 202 (1996) 217

WEAR

Author Index of Volume 202

Anderson, R.M., 35

Bancroft, G.M., 172, 192
Baranov, V.M., 125
Barbezat, G., 208
Bhushan, B., 3, 17, 30, 35, 50, 60, 68, 83, 99, 110

Clayton, P., 202
Colaianni, M.L., 192

Fuller, M., 172
Fyfe, K., 172, 192

Jin, N., 202
Jin, Y.S., 208

Kasrai, M., 172, 192
Kato, K., 165
Khatavkar, D.V., 30
Kitagawa, T., 142
Koinkar, V.N., 110
Kondo, H., 149
Kubo, A., 142
Kudryavtsev, E.M., 125

Li, X.M., 208
Li, Y., 60

Maekawa, K., 142

Pathak, J.P., 134
Patton, S.T., 99
Poon, C.Y., 68, 83
Pramila Bai, B.N., 154

Rack, H.J., 215

Sannino, A.P., 215
Saravanan, R.A., 154
Sarychev, G.A., 125
Shao, T.M., 208
Surappa, M.K., 154

Tan, K.H., 172, 192
Tiwari, S.N., 134
Torabian, H., 134

Weick, B.L., 17

Xie, Y., 3
Xu, J., 165

Yang, Y.Y., 208
Yin, Z., 172, 192

Zhao, Z., 50

Elsevier Science S.A.

ELSEVIER

Wear 202 (1997) 219–221

WEAR

Subject Index of Volume 202

A356 erosive wear
erosion of A356 Al–SiC_p composites due to multiple particle impact, 154
Abrasive wear
fundamental wear studies with magnetic particles and head cleaning agents used in magnetic tapes, 3
Acoustic emission
modelling of the parameters of acoustic emission under sliding friction of solids, 125
Agglomeration
the effect of water vapor on the agglomeration of wear particles of ceramics, 165
Al–Si–Pb alloys
antiseizure and antifriction characteristics of Al–Si–Pb alloys, 134
Antifriction
antiseizure and antifriction characteristics of Al–Si–Pb alloys, 134
Antiseizure
antiseizure and antifriction characteristics of Al–Si–Pb alloys, 134
Antiwear
application of soft X-ray absorption spectroscopy in chemical characterization of antiwear films generated by ZDDP. Part I: the effects of physical parameters, 172
application of soft X-ray absorption spectroscopy in chemical characterization of antiwear films generated by ZDDP. Part II: the effect of detergents and dispersants, 192
Asperity contact
numerical contact and stiction analyses of Gaussian isotropic surfaces for magnetic head slider/disk contact, 68
nano-asperity contact analysis and surface optimization for magnetic head slider/disk contact, 83
Atomic force/friction force microscopy
microtribological studies of Al_2O_3, Al_2O_3–TiC, polycrystalline and single-crystal Mn–Zn ferrite, and SiC head slider materials, 110

Bainite
effect of microstructure on rolling/sliding wear of low carbon bainitic steels, 202
Bonded lubricant films
effect of bonded lubricant films on the tribological performance of magnetic thin-film rigid disks, 50

Ceramics
the effect of water vapor on the agglomeration of wear particles of ceramics, 165
Ceramic tool
temperature and wear of cutting tools in high-speed machining of Inconel 718 and Ti–6Al–6V–2Sn, 142
Composite
the relationship between dynamic mechanical behavior, transverse curvature, and wear of magnetic tapes, 17
erosion of A356 Al–SiC_p composites due to multiple particle impact, 154

Elsevier Science S.A.

Cr_3C_2–25%NiCr coatings
impact wear performances of Cr_3C_2–NiCr coatings by plasma and HVOF spraying, 208

Defects
impact wear performances of Cr_3C_2–NiCr coatings by plasma and HVOF spraying, 208
Detergent
application of soft X-ray absorption spectroscopy in chemical characterization of antiwear films generated by ZDDP. Part II: the effect of detergents and dispersants, 192
Diamond-like carbon coatings
wear and friction studies of contact recording interface with microfabricated heads, 60
Dispersant
application of soft X-ray absorption spectroscopy in chemical characterization of antiwear films generated by ZDDP. Part II: the effect of detergents and dispersants, 192
DMA
the relationship between dynamic mechanical behavior, transverse curvature, and wear of magnetic tapes, 17
Double bond
effect of double bonds on friction in the boundary lubrication of magnetic thin film media, 149
Dry erosion
erosion of A356 Al–SiC_p composites due to multiple particle impact, 154

Failure mechanisms
wear and friction studies of contact recording interface with microfabricated heads, 60
Film formation mechanisms
application of soft X-ray absorption spectroscopy in chemical characterization of antiwear films generated by ZDDP. Part I: the effects of physical parameters, 172
Friction
role of water vapor on the wear of Mn–Zn ferrite heads sliding against magnetic tapes, 30
concurrent measurement of in situ friction force and head signal amplitude during dropouts in rotary head tape drives, 35
effect of bonded lubricant films on the tribological performance of magnetic thin-film rigid disks, 50
Friction and wear of magnetic heads
wear and friction studies of contact recording interface with microfabricated heads, 60
Friction coefficient
the effect of water vapor on the agglomeration of wear particles of ceramics, 165
FTIR
effect of double bonds on friction in the boundary lubrication of magnetic thin film media, 149

Head/disk interface
numerical contact and stiction analyses of Gaussian isotropic surfaces for magnetic head slider/disk contact, 68
nano-asperity contact analysis and surface optimization for magnetic head slider/disk contact, 83
Head cleaning agent wear
fundamental wear studies with magnetic particles and head cleaning agents used in magnetic tapes, 3
Head materials
microtribological studies of Al_2O_3, Al_2O_3–TiC, polycrystalline and single-crystal Mn–Zn ferrite, and SiC head slider materials, 110
High-speed machining
temperature and wear of cutting tools in high-speed machining of Inconel 718 and Ti–6Al–6V–2Sn, 142

Impact fatigue
impact wear performances of Cr_3C_2–NiCr coatings by plasma and HVOF spraying, 208
Impact wear
impact wear performances of Cr_3C_2–NiCr coatings by plasma and HVOF spraying, 208
Indentation hardness
microtribological studies of Al_2O_3, Al_2O_3–TiC, polycrystalline and single-crystal Mn–Zn ferrite, and SiC head slider materials, 110

Low carbon bainitic steel
effect of microstructure on rolling/sliding wear of low carbon bainitic steels, 202
Lubricant
effect of double bonds on friction in the boundary lubrication of magnetic thin film media, 149
Lubricant film thickness
numerical contact and stiction analyses of Gaussian isotropic surfaces for magnetic head slider/disk contact, 68
Lubrication
effect of bonded lubricant films on the tribological performance of magnetic thin-film rigid disks, 50

Magnetic disks
effect of bonded lubricant films on the tribological performance of magnetic thin-film rigid disks, 50
Magnetic materials
micromechanical and tribological characterization of alternate pole tip materials for magnetic recording heads, 99
Magnetic particle wear
fundamental wear studies with magnetic particles and head cleaning agents used in magnetic tapes, 3
Magnetic signal amplitude
concurrent measurement of in situ friction force and head signal amplitude during dropouts in rotary head tape drives, 35
Magnetic storage devices
microtribological studies of Al_2O_3, Al_2O_3–TiC, polycrystalline and single-crystal Mn–Zn ferrite, and SiC head slider materials, 110
Magnetic thin film media
effect of double bonds on friction in the boundary lubrication of magnetic thin film media, 149
Mechanical properties
micromechanical and tribological characterization of alternate pole tip materials for magnetic recording heads, 99
Microtribology
microtribological studies of Al_2O_3, Al_2O_3–TiC, polycrystalline and single-crystal Mn–Zn ferrite, and SiC head slider materials, 110
Modulus
the relationship between dynamic mechanical behavior, transverse curvature, and wear of magnetic tapes, 17

Nickel-based alloy
temperature and wear of cutting tools in high-speed machining of Inconel 718 and Ti–6Al–6V–2Sn, 142
Numerical models
numerical contact and stiction analyses of Gaussian isotropic surfaces for magnetic head slider/disk contact, 68
nano-asperity contact analysis and surface optimization for magnetic head slider/disk contact, 83

Polar lubricant
effect of bonded lubricant films on the tribological performance of magnetic thin-film rigid disks, 50
Pole tip materials
micromechanical and tribological characterization of alternate pole tip materials for magnetic recording heads, 99
Pole tip recession
micromechanical and tribological characterization of alternate pole tip materials for magnetic recording heads, 99
Polishing
fundamental wear studies with magnetic particles and head cleaning agents used in magnetic tapes, 3
Polymer
the relationship between dynamic mechanical behavior, transverse curvature, and wear of magnetic tapes, 17
Polyphosphates
application of soft X-ray absorption spectroscopy in chemical characterization of antiwear films generated by ZDDP. Part I: the effects of physical parameters, 172
application of soft X-ray absorption spectroscopy in chemical characterization of antiwear films generated by ZDDP. Part II: the effect of detergents and dispersants, 192

Random function
modelling of the parameters of acoustic emission under sliding friction of solids, 125
Rolling/sliding wear
effect of microstructure on rolling/sliding wear of low carbon bainitic steels, 202
Rotary head tape drives
concurrent measurement of in situ friction force and head signal amplitude during dropouts in rotary head tape drives, 35

Sampling resolution
nano-asperity contact analysis and surface optimization for magnetic head slider/disk contact, 83
Signal dropouts
concurrent measurement of in situ friction force and head signal amplitude during dropouts in rotary head tape drives, 35
Sliding friction
modelling of the parameters of acoustic emission under sliding friction of solids, 125
Static fatigue
role of water vapor on the wear of Mn–Zn ferrite heads sliding against magnetic tapes, 30
Stiction
numerical contact and stiction analyses of Gaussian isotropic surfaces for magnetic head slider/disk contact, 68
nano-asperity contact analysis and surface optimization for magnetic head slider/disk contact, 83
Surface roughness
numerical contact and stiction analyses of Gaussian isotropic surfaces for magnetic head slider/disk contact, 68
nano-asperity contact analysis and surface optimization for magnetic head slider/disk contact, 83

Tape head
micromechanical and tribological characterization of alternate pole tip materials for magnetic recording heads, 99

Tape tribology
fundamental wear studies with magnetic particles and head cleaning agents used in magnetic tapes, 3
role of water vapor on the wear of Mn–Zn ferrite heads sliding against magnetic tapes, 30
Temperature
temperature and wear of cutting tools in high-speed machining of Inconel 718 and Ti–6Al–6V–2Sn, 142
Titanium alloy
temperature and wear of cutting tools in high-speed machining of Inconel 718 and Ti–6Al–6V–2Sn, 142
Tool wear
temperature and wear of cutting tools in high-speed machining of Inconel 718 and Ti–6Al–6V–2Sn, 142
Tribochemical reaction
effect of double bonds on friction in the boundary lubrication of magnetic thin film media, 149
Tribology
the relationship between dynamic mechanical behavior, transverse curvature, and wear of magnetic tapes, 17

Viscoelasticity
the relationship between dynamic mechanical behavior, transverse curvature, and wear of magnetic tapes, 17

Water vapor
the effect of water vapor on the agglomeration of wear particles of ceramics, 165
Wear
role of water vapor on the wear of Mn–Zn ferrite heads sliding against magnetic tapes, 30
effect of bonded lubricant films on the tribological performance of magnetic thin-film rigid disks, 50
micromechanical and tribological characterization of alternate pole tip materials for magnetic recording heads, 99
Wear debris
concurrent measurement of in situ friction force and head signal amplitude during dropouts in rotary head tape drives, 35
Wear particles
the effect of water vapor on the agglomeration of wear particles of ceramics, 165

XANES
application of soft X-ray absorption spectroscopy in chemical characterization of antiwear films generated by ZDDP. Part I: the effects of physical parameters, 172
application of soft X-ray absorption spectroscopy in chemical characterization of antiwear films generated by ZDDP. Part II: the effect of detergents and dispersants, 192